Docket No.: 1752-0185PUS1

Application No. 10/588,373 Amendment dated February 20, 2009 Reply to Office Action of October 20, 2008

## AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An aminodibenzodioxin derivative compound represented by general formula (1);

$$Ar_1 \longrightarrow Ar_3 \longrightarrow Ar_4 \longrightarrow$$

wherein Ar<sub>1</sub>, Ár<sub>2</sub>, Ar<sub>3</sub>, and Ar<sub>4</sub> are substituted or unsubstituted aryl groups, and

 $Ar_1$ ,  $Ar_2$ , and the nitrogen atom bonded thereto, or  $Ar_3$ ,  $Ar_4$ , and the nitrogen atom bonded thereto, may form a nitrogen-containing heterocyclic ring.

- 2. (Currently Amended) An The aminodbenzodioxin derivative compound as described in claim 1 wherein Ar<sub>1</sub>, Ar<sub>2</sub>, Ar<sub>3</sub>, and Ar<sub>4</sub> are independently any one of phenyl group, naphthyl group, and phenanthryl group, either unsubstituted or substituted with lower alkyl groups, lower alkoxy groups, aryl groups of 4 to 10 carbon atoms, or aryloxy groups of 4 to 10 carbon atoms.
- 3. (Currently Amended) An organic electroluminescent element comprising an anode, organic layers, and a cathode piled one upon another on a substrate and comprising the aminodibenzodioxin derivative compound described in claim 1 or 2 in at least one of said organic layers:
- 4. (Currently Amended) An The organic electroluminescent element as described in claim 3 wherein the organic layer comprising the aminodibenzodioxin derivative is selected from the group consisting of the a light-emitting layer, hole-transporting layer, and hole-injecting layer.
- 5. (New) An aminodibenzodioxin compound represented by general formula (1);

$$\begin{array}{c|c}
Ar_1 & Ar_3 \\
Ar_2 & Ar_4
\end{array}$$

wherein Ar<sub>1</sub>, Ar<sub>2</sub>, Ar<sub>3</sub>, and Ar<sub>4</sub> are substituted or unsubstituted aryl groups, and

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Ar<sub>1</sub>, Ar<sub>2</sub>, and the nitrogen atom bonded thereto, or Ar<sub>3</sub>, Ar<sub>4</sub>, and the nitrogen atom bonded

thereto, forms a nitrogen-containing heterocyclic ring selected from the group consisting of

substituted or unsubstituted N-carbazolyl, N-phenoxadinyl, N-phenothiazinyl and N-β-

carbolinyl.

6. (New) The aminodbenzodioxin compound as described in claim 5 wherein Ar<sub>1</sub>, Ar<sub>2</sub>, Ar<sub>3</sub>, and

Ar4 are independently any one of phenyl group, naphthyl group, and phenanthryl group, either

unsubstituted or substituted with lower alkyl groups, lower alkoxy groups, aryl groups of 4 to 10

carbon atoms, or aryloxy groups of 4 to 10 carbon atoms.

7. (New) An organic electroluminescent element comprising an anode, organic layers, and a

cathode piled one upon another on a substrate and comprising the aminodibenzodioxin

compound described in claim 5 in at least one of said organic layers.

8. (New) The organic electroluminescent element as described in claim 7 wherein the organic

layer comprising the aminodibenzodioxin derivative is selected from the group consisting of a

light-emitting layer, hole-transporting layer, and hole-injecting layer.

9. (New) The aminodbenzodioxin compound as described in claim 5 wherein Ar<sub>1</sub>, Ar<sub>2</sub>, Ar<sub>3</sub>, and

Ar4 are substituted or unsubstituted aryl groups and Ar1, Ar2, and the nitrogen atom bonded

thereto or  $Ar_3$ ,  $Ar_4$ , and the nitrogen atom bonded thereto, may form a N-carbazolyl ring.